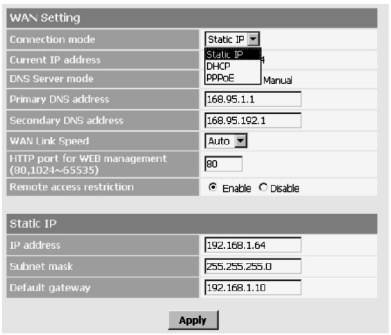
Network Configuration

Step 1:

Go to [***Network Configuration > WAN Setting***], and select the right connection type (static IP, DHCP, or PPPoE) according to your ISP or actual network.



Step 2: Press the Apply button after you finish configuration.

Step 3: Go to [***Reboot***], option and press the Reboot button.

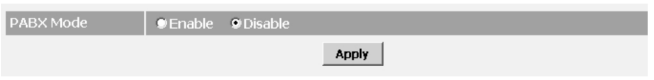
Note:

- ***You can retrieve the IP address of the WAN port by keying #126# on the phone set that is connected to the FXS port of the gateway. You will hear an IVR announcing the current IPaddress of the WAN port.***
- ***When you select PPPoE mode, then fill out the fields of PPPoE userID and PPPoE password for PPPoE authentication.***
- ***When the gateway cannot get IP by DHCP or PPPoE, original static IP address is accessible via the LAN port.***

Service Registration

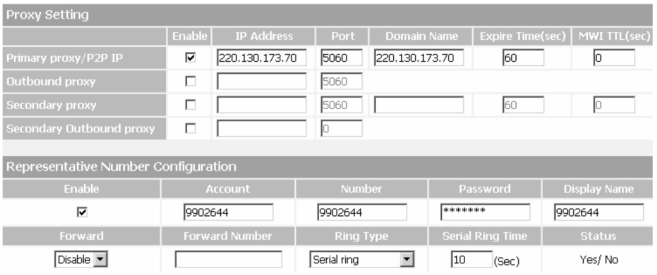
Step 1: (SP5018A only)

Go to [***General Configuration > PABX Connection***] for PABX connection mode. Select "Enable" for ISP/ITSP scenario that forbids SIP calls to/from PSTN via the gateway. By default, PABX mode is "Disable" for normal operation.



Step 2:

Go to [***General Configuration > SIP Setting***] and set the server information here, if this VoIP gateway wants to use SIP Proxy service to transfer the VoIP call.



- **Primary and Seconary proxy / P2P IP:** Specify the data of Enable/Disable, IP address, Port number, Domain Name, Expire time, and MWI TTL.
- **Primary and Secondary Outbound proxy:** Fill out the

- **Representative Number:** The representative number is working as a SIP trunk for the selected FXS line (for all FXS or FXO/FXS combination model) or FXO line (for all FXO model).
- **Enable:** Enable or disable the line to register or unregister to SIP Proxy. By default, the setting is "Enable".
- **Account:** Input the SIP Proxy registration account ID
- **Number:** Input the phone number.
- **Password:** Input the password of IP Proxy registration account ID.
- **Display name:** Specify the Display name of the phone number

Step 3: Press the Apply button after you finish configuration.

Step 4: Go to [***Reboot***], option and press the Reboot button.

Note: Please refer to user's manual for more details about SIP setting, Line setting, PSTN prefix routing, Dial plan, DM, etc..

P/N: 2300-0559

WEEE Directive & Product Disposal

At the end its serviceable life ,this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Micronet®
Making Communication Easier

Quick Installation Guide

IP Telephony Gateway

Model No.: SP5008A / SP5018A / SP5058A

Web: www.micronet.com.tw

Introduction

Micronet SP5008A / SP5018A / SP5058A are high-capacity SIP Gateway Series that provides 8 FXS / 4 FXS + 4 FXO / 8 FXO ports, and suit to build an IP-based communication platform with other VoIP devices. They meet enterprise's requirement for functionality (VoIP) upgrade and larger scale implementation by interoperating with legacy PABX and IP PBX/Soft-switch.

To connect with legacy PABX, SP5018A supports PABX Mode for PSTN backup. When network or power fails, PSTN lines (FXO) bypass to FXS ports and users still can make/receive calls via PSTN lines.

In addition, SP5008A includes some wonderful PABX features for small business. They help operate users on various VoIP applications, such as extension calling among 8 FXS ports, inbound/outbound calls via SIP trunk, DID (direct line), DOD, prefix routing, operator attendant, etc. Users can easily benefit from the ease-to-use device.

Package Contents

Before you start installing the device, verify the following items are in the package:

- IP Telephony Gateway
  SP5008A / SP5018A / SP5058A
- Quick Installation Guide
- Manual CD
- Power Adapter

Key Features

- IETF SIP standards compliant
- Support 1 RJ-45 WAN port and 4 RJ-45 LAN ports
- Support POTS interfaces: 8 FXS / 4 FXS + 4 FXO / 8 FXO ports
- Support single-account registration on FXS ports for representative number
- Support extension calling among FXS ports
- Support rich call features: call hold, call transfer, call forward, hotline, warm line, speed dial, anonymous call, P2P call, etc
- Support PSTN prefix routing (SP5018A only)
- Support PABX mode for legacy PABX function upgrade (SP5018A only)
- Support PSTN lifeline PSTN bypass in case of power or registration failure (SP5018A only)
- Support detection of disconnect tone, polarity reversal, and loop current drop (zero voltage) on FXO ports
- Well interoperability with industry-leading IP-PBX/Soft-Switch, such as Alcatel, Lucent, Siemens, etc.

Physical Description

SP5008A

SP5018A

SP5058A

LED Indicators

LED	Status	Indication
POWER	On / Green	The Power is on
READY	Blink / Green	Booting up for self test
PROXY	Blink / Green	Gateway reg. fails
	Constant / Green	Gateway reg. successes
WAN	Blink / Green	Transmitting or receiving data / Network connection established
LAN(1-4)	Blink / Green	Transmitting or receiving data / Network connection established
T(1*)	On / Orange	Busy / Off-hook
	Off	Available / On-hook
L(1*)	On / Orange	Busy
	Off	Available

1*. SP5008A: FXS = T1 - T8
SP5018A: FXS = T1 - T4, FXO = L1 - L4
SP5058A: FXO = L1 - L8

Installation

Micronet gateway that you have purchased determines the interfaces that you see on the rear of your unit. Just connect your device using its telephony, power and LAN connections.

LAN	Connect to your PC
WAN	Connect to the internal LAN network, router, or modem
L1-L8 T1-T8 T1/L1- T4/L4	FXS(T) / FXO(L) RJ-11 ports. FXS ports are used to connect to telephones or PABX's trunks. FXO ports are used to connect to PSTN line or PABX's extensions.
RESET	Factory and hold over 5 seconds Reset button
DC 12V	Power adapter connection

Login the System

Set your PC with static IP address (***192.168.123.x***) and mask (***255.255.255.0***), or DHCP mode to get IP address automatically. Launch web browser with http://192.168.123.123/. Then, login with username (***root***) and password (***root***).